23 August 1956

25X1

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MEMORANDUM FOR:	THE RECORD		
SUBJECT:	Visit to		25
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l. Time an	d Place of Meeting: 17 and		X1
2. Attende	na4.		25
3. Discuss	ion: For the past 6 weeks.	little work has been	
accomplished on	our projects at	due to a 2-veek	25
was, for t	ollowed by four weeks of more he first time, back in full e reviewed to determine the of work. Each project will/	swing. On the 20th, status of each after	25)
a. P-	77. Receiver Study: The re-	peiver study is concentrating	

- its efforts on mixer and converter circuits. There is a need for this basic information to develop better and higher frequency transistor receivers.
- b. P-77 Transistor Oscillator: There is also a need for basic information in this field. In particular, for project All-43 we are trying to obtain an oscillator which will be stable and which will operate instantaneously.
- c. F-TT, T-Day Battery Fack for BT-1: This project has been suffering due to its very low priority. There is no definite date for its delivery at this moment. All concerned would like to have it finished by 10 September and if this can be done it will be delivered to APD by the undersigned.
- d. P-77 490 KC Transmitter: The status is exactly the s as the |-day battery pack mentioned above. In both cases, there are only minor mechanical packaging problems to be overcome.
- e. P-71, RT-1: The units to be produced under the proposal submitted this month will be of a new circuit design and therefore will be called the RT-1A to distinguish them from the present RT-1's. The packaging and circuit design will be that used in the new RT-2's. but the frequency of operation will be the same as the existing ME-1's,

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namely, 10.9 mc. The ability to vary the frequency for 30 KC will be incorporated in this design as it can be done without a major revision. The reason for this change is that should there be another station on 10.9 the frequency can be shifted to produce better operating conditions. The undersigned has brought back with him samples of the new connectors which are to be used on this production run should they be acceptable to the operational people.

The 4 AT-1 transmitters and the one receiver which were 25X1 will be picked up and ready for delivery on 11 September. Also, on 11 September, two KT-2 transmitters and receivers will be ready for delivery. f. P-77, RS-1 and RS-2: The RAD requirements for this project 25X1 have been decided upon and are on record with At present, there is being built a prototype receiver. There is no estimate at this time when the first system will be ready for delivery. %. P-77, Pransceiver Program: A 5mc transceiver set is being worked on, but at this time, there is no delivery date assigned. The undersigned is going to obtain from XME one of their 5 mc body antennas to be fed into this project. The expected date of this antenna delivery is the end of October. h. P-77, TBP-1: This project is to design a battery operated ST-2 transmitter. The expected delivery date is 1 November 1956. 25X1 i. P-77, AB-1: The project has had no work done on it to date and it is expected to have no work on it until the first of October. The requirements will follow the original request and at some later date in the project, consideration will be given to the parachute locator problem. J. F-77, Voltage Regulator: 25X1 at this point is doing nothing on this project. The reason for this is that the sponsor at this point does not have a definite plan in mind. The undersigned is trying to obtain a power cord and wolt meter relay in order that will at least have a working voltage regulator should interest 25X1 in this project develop. The suggestion was made by that maybe a 25X1 cerrier current system might handle this job. h. All-6: In the acoustical problem of All-6 there are 2 cavities to be considered. One is in the condenser can in which the transmitteris molded, and the other is the cavity in which this condenser can sets. Nothing can be done about the latter cavity,

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but work is being done to move the resonance of the former cavity above the pass-band of the transmitter. It is expected that by the

20th of August, the optimum acoustical conditions will have been obtained.

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This will be a poor exemple of this transmitter in operation, the fault lying with the above mentioned cavities and not with the transmitter itself. The system will undergo an operational check from now until the time it is picked up by the sponsor.

1. F-1638: The 20 remaining units under this contract are to			
undergo environmental tests starting some time during the week of 20			
August. Ten of these units are readily available should the sponsor	051/4		
desire them at any time. A request is being submitted by to	25 <b>X</b> 1		
extend the completion date of the environmental testing to	25X1		
25 October 1956. This delay is not the fault of it is due to the delay in delivery of environmental test equipment.	∠5∧ I		
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m. P-1630: A prototype has been made and the production	i		
model is now being worked on. It is expected that where possible, those			
units will be given the same environmental tests as the ST-2. The			
delivery date of 15 September for ten transmitters and 5 converters			
will not be met. A month's delay is being requested by	25X1		
This delay is due to the move as has been mentioned earlier.			
•			
n. P-163D: (1-wett transmitter) Work on this project			
has been held up due to work on P-163C. Work should resume by the			
first week in September but there is no estimate of delivery dates			
at this time.			
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o. All-k3, Project: work has been held up due to	25X1		
the selection of a lew noise antenna and the switching question. If			
it is to be an electronic switch, it will need 4 transistors to	25 <b>X</b> 1		
operate efficiently, but the space requirement for 4 transistors	25X1		
appears to be too great. is visiting	25X1		
on 24 August to see what they have designed in the	∠∪∧ I I		
way of a mechanical switch. The potting of the antenna has been held up because of project All-6, but is expected to get underway in the			
next two weeks. On this project are many fundamental problems to			
overcome and because of this, no delivery date is in sight.			
The state of the second of the			
p. P-177: is to build 6 NCA and 6 GE transmitters to	25X1		
be used There is no estimate on delivery on this project			
	20/(1		
q. AH-44: Parts have been ordered for the 6 carrier current			
systems and work will start after the AH-C system has been accepted.			
The question of receivers compatible to this system is to be looked into			
by the undersigned, namely, makes a carrier current receiver. The	25X1		
estimated delivery date is two months after completion of Ali-6.			
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Distribution:

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P-153B, C, D

All-43

P-177

AH-44

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